

**MATERIAL SAFETY DATA SHEET**  
**BISSELL INCORPORATED**  
**PRINT DATE: January 24, 2005**

**BISSELL Hard Floor Solutions™**

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**1. PRODUCT AND COMPANY IDENTIFICATION**

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Product Name:	<b>BISSELL Hard Floor Solutions</b>
Product No.	0484
Chemical Formula:	Mixture
<b>MANUFACTURER:</b> BISSELL INC. P.O. Box 1888 Grand Rapids, MI 49501 (616) 453-4451	<b>24-Hour Emergency Phone Number:</b> 1(800) 690-3886

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**2. COMPOSITION/INFORMATION ON INGREDIENTS**

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<u><b>Ingredient</b></u>	<u><b>Percent</b></u>	<u><b>Exposure Limits TWA</b></u>	<u><b>CAS Number</b></u>
Alkyl (C <sub>12</sub> -C <sub>16</sub> ) dimethyl benzyl ammonium chloride		ND	68424-85-1
Octyl decyl dimethyl ammonium chloride		ND	32426-11-2
Dioctyl dimethyl ammonium chloride		ND	5538-94-3
Didecyl dimethyl ammonium chloride		ND	7173-51-5
Also contains surfactants, chelating agent, fragrance, and water.			

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**3. HAZARDS IDENTIFICATION**

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**Emergency Overview:**

Keep out of reach of children.

**Potential Health Effects:**

<b>Eye:</b>	Contact with eyes causes eye irritation.
<b>Skin:</b>	Prolonged contact with skin causes skin irritation.
<b>Inhalation:</b>	Inhalation is not an expected route of exposure. Inhalation of product mist or spray may cause respiratory irritation.
<b>Ingestion:</b>	Ingestion is not an expected route of exposure. Ingestion of small amounts may cause gastrointestinal irritation and more serious effects are possible if large quantities of product are swallowed.

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**4. FIRST AID MEASURES**

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EYE: Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention, if irritation develops or persists.

SKIN: Wash skin with water. Remove contaminated clothing.

INGESTION: If swallowed, contact a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

INHALATION: Remove affected person to fresh air. Get medical attention if person has difficulty breathing or if irritation develops or persists..

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**5. FIRE FIGHTING MEASURES**

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FLASH POINT: > 200°F

FLAMMABILITY: None.

EXTINGUISHING MEDIA: Use water, water fog, CO2, dry chemicals or foam.

FIRE and EXPLOSION HAZARDS: None

FIRE FIGHTING EQUIPMENT: Fire fighters should wear self-contained breathing apparatus and protective clothing.

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**6. ACCIDENTAL RELEASE MEASURES**

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SMALL SPILLS: Absorb and wipe up or rinse away with water.

LARGE SPILL: contain spilled liquid with sand or earth. Place in a disposal container for disposal. After removal, flush area thoroughly with water.

WASTE DISPOSAL: Follow all local, state and federal regulations for large spills.

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**7. HANDLING AND STORAGE**

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HANDLING: Use only as directed. Avoid contact with eyes and skin. Use with adequate ventilation. Wash hands before eating.

STORAGE: Store OUT OF REACH OF CHILDREN. Keep container tightly closed when not in use.

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**8. PERSONAL PROTECTION**

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RESPIRATORY PROTECTION:	Not required if under normal conditions of use.
PROTECTIVE GLOVES:	Not required if under normal conditions of use.
EYE PROTECTION:	Not required if under normal conditions of use.
VENTILATION:	Not required if under normal conditions of use.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

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APPEARANCE:	Clear to very slight haze
ODOR:	Fresh citrus blend scent
BOILING POINT, 760mm Hg:	212°F
VAPOR PRESSURE:	Not determined
VAPOR DENSITY:	ND
SOLUBILITY IN WATER:	Complete
SPECIFIC GRAVITY:	1.005 – 1.015
pH:	6.0-7.0
% Volatile Organic Compounds	>0.5%

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**10. STABILITY AND REACTIVITY**

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CHEMICAL STABILITY:	Stable
CONDITIONS TO AVOID:	Strong Oxidizers
INCOMPATIBILITY:	Anionic materials and strong oxidizers
HAZARDOUS DECOMPOSITION:	Toxic hydrogen chloride fumes, oxides of carbon and nitrogen.
HAZARDOUS POLYMERIZATION:	Will not occur

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**11. TOXICOLOGICAL INFORMATION**

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**Tested and labeled to FHSA requirements. Contains no listed carcinogens.**

INGESTION:	The oral LD50 is greater than 5 g/kg
INHALATION:	The inhalation LC50 is greater than 2 mg/L for four hour exposure.
SKIN:	The primary dermal irritation index was 5.2

**This product is a primary eye and skin irritant per FHSA tests.**

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**12. ECOLOGICAL INFORMATION**

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AQUATIC TOXICITY:	No information available.
ENVIRONMENTAL EFFECTS:	Product is expected to rapidly disperse in the aquatic environment.

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**13. DISPOSAL CONSIDERATION**

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DISPOSAL OF PRODUCT:	Disposal methods must be in compliance with all Federal, State or Provincial, and local laws and regulations.
DISPOSAL OF PACKAGING:	Disposal methods must be in compliance with all Federal, State or Provincial, and local laws and regulations

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**14. TRANSPORTATION INFORMATION**

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**TRANSPORTATION:**

<b>HAZARD RATING:</b>	<b>Fire: 0</b>	<b>Toxicity: 0</b>	<b>Reactivity: 0</b>
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DOT Labeling:	None
DOT Proper Shipping Name:	Not Regulated
DOT Hazard Class:	None
U.S. Surface Freight Classification:	Cleaning Compound, liquid, NOI

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**15. REGULATORY INFORMATION:**

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***EEC LABELLING INFORMATION:***

<b><i>Symbol:</i></b>	<b>Not Applicable</b>
<b><i>Contains:</i></b>	<b>Not Applicable</b>
<b><i>R Phases:</i></b>	<b>None</b>
<b><i>S Phases:</i></b>	<b>None</b>

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**16. OTHER INFORMATION**

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***Notice:***

***The information herein is presented in good faith and believed to be accurate as of the effective date shown below. However, no warranty, expressed or implied, is given. Regulatory requirements are subject to change and may differ from one location to another. It is the buyer's responsibility to ensure that its activities comply with federal, state or Provincial laws.***

Effective Date: July 8, 2004  
Supersedes: None  
Prepared by: Michael R. Foote

This MSDS has been revised in the following section(s): **NEW FORMULA**

MRF/sth